

INFANT MORTALITY: State Summary

INFANT MORTALITY

INTRODUCTION

Purpose of Infant Mortality Surveillance

The rate of infant deaths, i.e. deaths to babies between birth and 1 year of age, is a basic measure of the health of a population. High infant mortality rates reflect unmet medical care needs and unfavorable environmental, economic, nutritional, educational, and sanitation conditions. Infant mortality surveillance is used to identify factors that put infants at high risk of death, so medical, social, and economic interventions to reduce risk can be targeted effectively.

An increased risk of infant death is related to a number of factors, including extremes in maternal age at birth (under 19 or over 40 years), fewer than 2 years between births, birth under conditions of poor maternal health or poor nutrition, and use of chemical toxins such as alcohol, drugs, and cigarettes during pregnancy. Many of these factors also are associated with low birth weight. After the first month of life, poor infant nutrition, poor hygiene, and infectious diseases all increase the risk of infant mortality.

Source of Data: Death Certificates

Infant mortality information presented in this report is gathered from data recorded on the *Certificate of Death* for deaths that occurred to infants born to Louisiana residents during the 1998 calendar year. All original death certificates flow to the Vital Records Registry in New Orleans.

Data are recorded on death certificates by funeral directors, who solicit demographic information from available next of kin, and by physicians or coroners, who record information on time, place, and cause of death. Louisiana law requires that funeral directors send death certificates to the Vital Records Registry within five days of occurrence, and that the identities of persons included in the death registry be kept confidential.

Death statistics are compiled in accordance with World Health Organization (WHO) regulations, which require member nations to classify causes of death according to the revision of the International Statistical Classification of Diseases in effect at the time of death. Deaths that occurred in 1998 are coded in accordance with the ninth revision (ICD-9).

All of the causes of death described in this report are *underlying causes of death*, defined as the disease or injury that initiated the sequence of events leading to death. Secondary causes of death, which also are recorded on the death certificate, are not presented in this report.

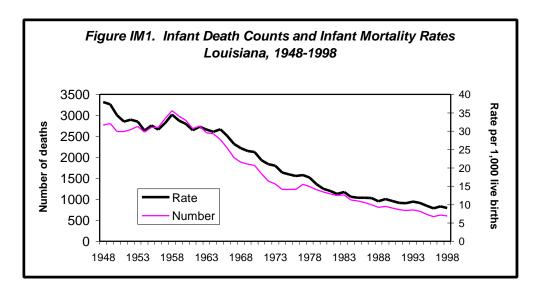
Unless otherwise noted, all statistics reported here are for deaths to infants born to Louisiana residents, regardless of the state in which the death occurred. The Vital Statistics Cooperative Program, a nationwide system of information interchange among all states and territories, makes possible the reporting of out of state deaths to Louisiana residents.

Death registration in Louisiana is considered to be 100% complete, since a death certificate must be filed before a burial permit may be obtained. However, it is possible that death registration is not carried out accurately in cases of infants dying shortly after birth.

INFANT MORTALITY COUNTS AND RATES

Infant Death Counts and Mortality Rates

- In 1998, 606 infants born to Louisiana residents died. This was 23 less than the 629 infants who died in 1997 (Figure IM1, Table IM1).
- Louisiana's 1998 infant mortality rate fell to 9.1 per 1,000 live births, an decrease of 4% from the 1997 rate of 9.5. The 1998 rate was a 6% decrease from the 1995 rate of 9.7 per 1,000 live births. (Figure IM1, Table IM1).

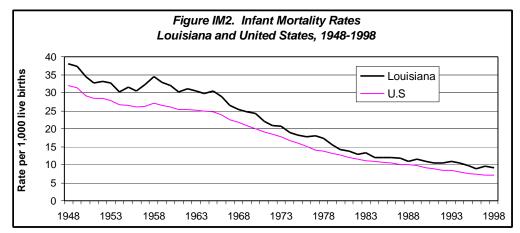


To help identify factors that lead to infant deaths, infant mortality is divided into two time periods based on the baby's age at death. Deaths occurring during the first 27 days of life are labeled *neonatal deaths*; those occurring from 28 days through 364 days of age are *postneonatal deaths*. In general, neonatal deaths reflect problems with heredity, prenatal development, and the birth process; postneonatal deaths are influenced by environmental factors, such as nutrition, hygiene, and accidents. The distinction between these two periods, however, has been blurred in recent years because of increased survival of premature infants due to advances in neonatology.

A number of different rates are used to describe deaths among children during the first year of life. The most often reported is the *infant mortality rate*, which measures deaths to infants under 1 year of age. This rate is calculated by dividing the number of deaths occurring in one year to children under the age of 1 year by the total number of live births during that year, then multiplying the quotient by 1,000. The rate is expressed as the number of infant deaths per 1,000 live births. Other rates include:

- neonatal mortality rate deaths to infants under 28 days of age, per 1,000 live births.
- postneonatal mortality rate deaths to infants between 28 and 364 days, per 1,000 live births.
- hebdomadal mortality rate deaths to infants under 7 days of age, per 1,000 live births.
- perinatal mortality rate stillbirths (fetal deaths) + deaths to infants under 7 days of age, per 1,000 stillbirths + live births.

- Since the mid 1960's, infant mortality rates for both Louisiana and the United States have declined, due largely to advances in the development of antibiotics, infectious disease vaccines, and neonatology (Figure IM2, Table IM1).
- Despite declining rates, Louisiana's infant mortality rate of 9.1 infant deaths per 1,000 live births remained higher than the national rate of 7.2 (Figure IM2, Table IM1).



Source: Louisiana State Center for Health Statistics National Center for Health Statistics (preliminary data for 1998)

	Tab			Counts and Infa Inited States, 1		ty Rates		
		Loui	isiana		United States			
Year	Number	Infant Mortality Rate*	Neonatal Mortality Rate**	Postneonatal Mortality Rate***	Infant Mortality Rate*	Neonatal Mortality Rate**	Postneonatal Mortality Rate***	
1980	1175	14.3	10.0	4.3	12.6	8.5	4.1	
1981	1129	13.7	9.2	4.5	11.9	8.0	3.9	
1982	1094	12.9	8.4	4.5	11.5	7.7	3.8	
1983	1108	13.4	8.9	4.5	11.2	7.3	3.9	
1984	984	12.1	8.0	4.1	10.8	7.0	3.8	
1985	966	11.9	7.7	4.2	10.6	7.0	3.7	
1986	925	11.9	7.7	4.1	10.4	6.7	3.6	
1987	870	11.8	7.7	4.1	10.1	6.5	3.6	
1988	808	10.9	7.0	4.0	10.0	6.3	3.6	
1989	834	11.5	7.3	4.2	9.8	6.2	3.6	
1990	796	11.0	6.7	4.4	9.2	5.8	3.4	
1991	754	10.5	6.6	3.9	8.9	5.6	3.4	
1992	736	10.4	6.6	3.9	8.5	5.4	3.1	
1993	752	10.8	6.8	4.0	8.4	5.3	3.1	
1994	715	10.5	7.0	3.5	8.0	5.1	2.9	
1995	639	9.7	6.4	3.3	7.6	4.9	2.7	
1996	586	9.0	5.6	3.4	7.3	4.8	2.5	
1997	629	9.5	6.2	3.3	7.2	4.8	2.5	
1998	606	9.1	5.9	3.2	7.2	4.8	2.4	

^{*}Infant Mortality Rate = deaths to infants under 1 year, per 1,000 live births

Source: Louisiana State Center for Health Statistics

National Center for Health Statistics (preliminary data for 1998)

^{**}Neonatal Mortality Rate = deaths to infants under 28 days, per 1,000 live births

^{***}Postneonatal Mortality Rate = deaths to infants between 28 and 364 days, per 1,000 live births

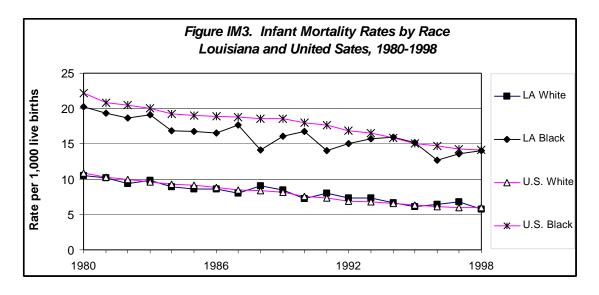
Infant Mortality by Infant Race

- Of the 606 infant deaths to Louisiana residents in 1998, 218 (36.0%) occurred among whites, 383 (63.2%) among blacks, and 5 (0.8%) among other races (Table IM8).
- For all measures of infant mortality, black rates are more than double those of whites (Table IM2). This
 racial difference in mortality rates has existed for many years at both the state and national level
 (Figure IM3, Table IM3).

	Tá	able l	M2. II	nfant N			by Age at Deati าล, 1998	h and Infant	Race	
	Rate ³	* by /	Age (ii	n Days) at De	ath		Combined F	Rates	
Race	Under 1	1-6	7-13	14-20	21-27	28-364	Hebdomadal**	Neonatal***	Perinatal ⁺	Infant ⁺⁺
All	3.5	1.2	0.6	0.2	0.3	3.2	4.8	5.9	12.5	9.1
White	1.8	1.1	0.5	0.2	0.3	2.0	2.8	3.8	8.7	5.8
Black	6.1	1.6	0.8	0.3	0.3	4.8	7.7	9.2	18.0	14.0
Other	-	-	-	-	0.7	2.8	-	0.7	7.6	3.5

^{*}Rate per 1,000 live births in age category

With the exception of 1994 and 1995, Louisiana's black infant mortality rates have been lower than the national rates for blacks. In 1996, 1997, and 1998 Louisiana's black rates again fell below the national level.
 Louisiana and United States infant mortality rates among whites historically have been very similar (Figure IM3, Table IM3).



Source: Louisiana State Center for Health Statistics National Center for Health Statistics (preliminary data for 1998)

^{*}Hebdomadal mortality rate = deaths to infants under 7 days, per 1,000 live births

^{**}Neonatal mortality rate = deaths to infants under 28 days, per 1,000 live births

⁺Perinatal mortality rate = stillbirths + deaths to infants under 7 days, per 1,000 stillbirths + live births

⁺⁺ Infant mortality rate = deaths to infants under 1 year, per 1,000 live births

[&]quot;-"Indicates no death occurred in these categories

7	able IM3	3. Infant	: Mortali					es, and P 1980-199		atal Mor	tality Ra	ites
	Infai	nt Mortal	ity Rate*		Neona	atal Morta	ality Rate	*	Postne	onatal M	ortality R	ate*
	Louisia	ana	United	States	Louisi	ana	United	States	Louis	iana	United	States
Year	White	Black	White	Black	White	Black	White	Black	White	Black	White	Black
1980	10.5	20.3	10.9	22.2	7.3	14.2	7.4	14.6	3.2	6.1	3.5	7.6
1981	10.2	19.4	10.3	20.8	6.9	13.0	7.0	14.0	3.3	6.4	3.4	6.8
1982	9.4	18.7	9.9	20.5	6.3	11.7	6.7	13.6	3.1	7.0	3.2	6.9
1983	9.8	19.1	9.6	20.0	6.6	12.5	6.3	12.9	3.2	6.6	3.3	7.0
1984	8.9	16.9	9.3	19.2	6.0	11.2	6.1	12.3	2.9	5.7	3.2	6.8
1985	8.6	16.7	9.2	19.0	5.9	10.5	6.0	12.6	2.7	6.2	3.2	6.4
1986	8.6	16.5	8.8	18.9	5.9	10.3	5.7	12.3	2.7	6.2	3.1	6.6
1987	8.0	17.7	8.5	18.8	5.1	11.7	5.4	12.3	2.9	6.0	3.1	6.4
1988	9.0	14.1	8.4	18.5	5.6	9.2	5.3	12.1	3.4	4.9	3.1	6.5
1989	8.5	16.1	8.1	18.6	5.5	10.0	5.1	11.9	3.0	6.1	2.9	6.7
1990	7.2	16.7	7.6	18.0	4.4	10.0	4.8	11.6	2.8	6.7	2.8	6.4
1991	8.0	14.0	7.3	17.6	5.3	8.5	4.5	11.2	2.7	5.5	2.8	6.3
1992	7.3	15.0	6.9	16.8	4.5	9.6	4.3	10.8	2.8	5.4	2.6	6.0
1993	7.4	15.7	6.8	16.5	4.5	10.0	4.3	10.7	2.9	5.7	2.5	5.8
1994	6.7	16.0	6.6	15.8	5.0	11.0	4.2	10.2	1.7	5.0	2.4	5.6
1995	6.1	15.2	6.3	15.1	4.1	10.0	4.1	9.8	2.0	5.2	2.2	5.3
1996	6.5	12.7	6.1	14.7	3.9	8.0	4.0	9.6	2.6	4.7	2.1	5.1
1997	6.8	13.6	6.0	14.2	4.4	8.9	4.0	9.4		4.7	2.0	4.8
1998	5.8	14.0	6.0	14.1	3.8	9.2	4.0	9.3	2.0	4.8	2.0	4.8

^{*}Infant Mortality Rate = deaths to infants under 1 year, per 1,000 live births

Source: Louisiana State Center for Health Statistics

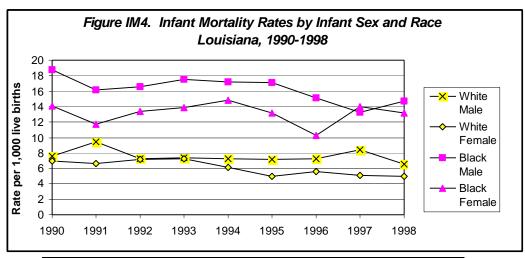
National Center for Health Statistics (preliminary data for 1998)

Infant Mortality by Infant Sex and Race

- As in past years, 1998 Louisiana infant mortality rates for males were higher than those for females. Rates for blacks were higher than those for whites (Figure IM4, Table IM4).
- Rates for black males were higher than those for black females and whites of both sexes (Figure IM4, Table IM4).
- Since the beginning of the decade, infant mortality rates have fallen for white females. Black males saw an increase in rates in 1998 (Figure IM4, Table IM4).

^{**}Neonatal Mortality Rate = deaths to infants under 28 days, per 1,000 live births

^{***}Postneonatal Mortality Rate = deaths to infant between 28 and 364 days, per 1,000 live births



Та	ble IM4. Int		ty Rates* by , 1990-1998		Sex
		White	е	Blac	ck
Year	Total	Male	Female	Male	Female
1990	11.0	7.6	6.9	18.8	14.1
1991	10.5	9.4	6.6	16.2	11.7
1992	10.4	7.3	7.2	16.6	13.4
1993	10.8	7.4	7.3	17.5	13.9
1994	10.5	7.3	6.1	17.2	14.8
1995	9.7	7.1	5.0	17.1	13.2
1996	9.0	7.3	5.6	15.1	10.3
1997	9.5	8.4	5.1	13.3	14.0
1998	9.1	6.5	5.1	14.7	13.2

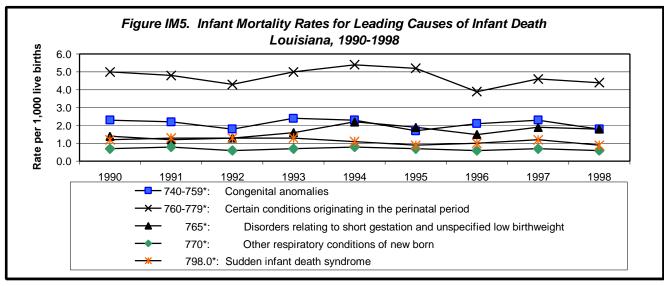
^{*}Rate per 1,000 race/sex-specific live births

CAUSES OF INFANT DEATH

Leading Causes of Infant Death

- Perinatal conditions, congenital anomalies, and sudden infant death syndrome historically have been the leading causes of death among Louisiana's infants (Figure IM5, Table IM6).
- 39.8% of all infant deaths (236 deaths) occurred within the first day of life, primarily from perinatal conditions, congenital anomalies, and sudden infant death syndrome (Tables IM5 and IM8).
- 34.8% of infant deaths (211 deaths) occurred between the 28th and 364th day of life, with the leading causes being sudden infant death syndrome, congenital anomalies, and perinatal conditions (Tables IM5 and IM8).

Table IM5. Death Counts for Leading Causes of Infant D Louisiana, 1998	·							
	Age at Death, in Days							
Cause of Death (ICD-9 Code)	Under 1 day	28 - 364 days						
Congenital anomalies (740-759)	40	35						
Perinatal conditions (760-779)	193	16						
Short gestation/Low birthweight (765)	109	1						
Other newborn respiratory conditions (770)	21	7						
III-defined conditions (780-799)	1	65						
Sudden infant death syndrome (798.0)	0	62						



*ICD-9 Code

	Table IM6.	Infant Mort		by Leading (1990-1998	Causes of Infar	nt Death
		Pei	rinatal Condit	ions	III-Defin	ed Conditions
Year	Congenital Anomalies (740-759**)	AII (760-779**)	Short Gestation/ Low Birthweight (765**)	Other Newborn Respiratory Conditions (770**)	AII (780-799**)	Sudden Infant Death Syndrome (798.0**)
1990	2.3	5.0	1.4	0.7	1.4	1.2
1991	2.2	4.8	1.2	0.8	1.5	1.3
1992	1.8	4.3	1.3	0.6	1.4	1.3
1993	2.4	5.0	1.6	0.7	1.4	1.3
1994	2.3	5.4	2.2	0.8	1.2	1.1
1995	1.7	5.2	1.9	0.7	0.9	0.9
1996	2.1	3.9	1.5	0.6	1.1	1.0
1997 1998	2.0 1.8		1.9 1.8		1.3 1.0	

^{*}Rate per 1,000 live births

^{**}ICD-9 Code

Leading Causes of Infant Death by Race and Infant Sex

- Black infant mortality rates for deaths from perinatal conditions are more than three times those for whites (Tables IM7 and IM8).
- The highest infant death rate from Sudden Infant Death Syndrome is seen in black males (Tables IM7 and IM8).

Table IM7.	Infant Mort		y Leading Ca Louisiana, 199	uses of Infant i 98	Death by Sex	and Race
		Pe	erinatal Conditi	ons	III-Defined	Conditions
Race/Sex	Congenital Anomalies (740-759**)	AII (760-779**)	Short Gestation/ Low Birthweight (765**)	Other Newborn Respiratory Conditions (770**)	AII (780-799**)	Sudden Infant Death Syndrome (798.0**)
White Male	2.0	2.2	0.7	0.3	0.8	0.8
White Female	1.6	1.9	0.9	0.2	0.3	0.3
Black Male	1.7	8.6	3.7	1.4	1.6	1.4
Black Female	2.2	6.9	3.1	0.7	1.6	1.4

^{*}Rate per 1,000 live births

Infant Mortality by Selected Causes of Infant Death

Table IM8 gives details of 1998 counts and rates of infant deaths by causes of death, infant race, and infant sex.

Table IM8. Infant Death	(Exclusiv		irths) by S ana, 1998		Causes,	Sex, Rad	e, and A	ge			
		Age at Death in Days							/S		
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364		
Total	907.5	ALL	606	236	83	40	16	20	211		
	645.7	WM	125	35	24	11	4	7	44		
	501.3	WF	93	33	16	7	3	3	31		
	1470.9	BM	205	90	24	10	5	7	69		
	1319.7	BF	178	78	19	12	4	2	63		
	389.1	OM	3	-	-	-	-	1	2		
	299.4	OF	2	-	-	-	-	-	2		
Certain intestinal	9.0	ALL	6	-	-	-	1	1	4		

^{**}ICD-9 Code

Cause of Death And ICD-9 List Number Sex Cause of Death In Days Cause of Death Number Sex Sex	Table IM8. Infant De	ath (Exclusiv	ve Of Stillb Louisi	irths) by S iana, 1998	Selected (Causes,	Sex, Rad	ce, and A	ige	
Cause of Death And (CD-9 List Number Sec Sec Total Under 1 1-6 7-13 14-20 21-27				, , , , , ,		A	ge at Dea	ath in Da	ys	
10.8 WF	Cause Of Death And ICD-9 List Number	Rate*		Total						28-364
21.5 BM	fections-(008-009)			1	-	-	-	1	-	
BF				2	-	-	-	-	-	2
OM				3	-	-	-	-	1	2
OF		-		-	-	-	-	-	-	
Whooping cough-(033) - ALL		-		-	-	-	-	-	-	
WM		-		-	-	-	-	-	-	
- WF	hooping cough-(033)	-		-	-	-	-	-	-	
BM		-		-	-	-	-	-	-	
BF		-		-	-	-	-	-	-	
OM		-		-	-	-	-	-	-	
OF		-		-	-	-	-	-	-	
Meningococcal infection- (036) MM		-		-	-	-	-	-	-	
WM		-		-	-	-	-	-	-	
5.4 WF		3.0		2	-	-	-	-	-	2
7.2 BM	(36)			-	-	-	-	-	-	
BF						-	-	-	-	
OM		7.2		1	-	-	-	-	-	,
Septicemia-(038) - OF 1		-		-	-	-	-	-	-	,
Septicemia-(038)		-		-	-	-	-	-	-	,
WM		-		-	-	-	-	-	-	
- WF	epticemia-(038)			6	-	-	-	1	-	
14.4 BM 2				-	-		-	-	-	
22.2 BF 3 - - 1 - -				-	-	-	-	-	-	
OM						-	-	- 1	-	2
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- OM						_	_		_	,
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Congenital syphilis-(090) - ALL		_		_	_		_	_	_	
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5.2 - 14.4 7.4 - - -	WM WF BM BF OM OF ALL WM	1 - 2	-	-	- - - -	- - -	- - -	1
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-	BM	-	-	-	-	-	-	
-	BF	-	-	-	-	-	-	
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-	WM	-	-	-	-	-	-	
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-	5.2 10.8 	- OF 4.5 ALL 5.2 WM 10.8 WF - BM - BF - OM - OF - ALL - WM - WF - BM - BF - OM - OF - ALL - WM - BF - OM - OF - ALL - BM - BF - OM - OF - ALL - WM - BF - OM - OF - ALL - WM - WF - BM - BF - OM - OF	- OF	- OF	- OF	- OF	- OF	- OF

Table IM8. Infant De	eath (Exclusiv	e Of Stillb' Louis	irths) by iana, 1998	Selected (3	causes,	Sex, Rad	ce, and A	ige	
					A	ge at Dea	ath in Da	ys	
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20		28-364
Meningitis-(320-322)	1.5	ALL	1	-	-	-	-	-	
	-	WM		-	-	-	-	-	
	5.4	WF	1	-	-	-	-	-	
	-	BM		-	-	-	-	-	
	-	BF		-	-	-	-	-	
	-	ОМ		-	=	-	-	-	
	-	OF		-	-	-	-	-	
Other diseases of nervous	7.5	ALL	5	-	-	-	-	-	ţ
System and sense organs-	-	WM		-	-	-	-	-	
(323-389)	5.4	WF	1	-	-	-	-	-	
	21.5	BM	3	-	-	-	-	-	;
	7.4	BF	1	-	-	-	-	-	
	-	ОМ			-	-	-	-	
	-	OF		-	-	-	-	-	
Acute upper respiratory	-	ALL			-	-	-	-	
Infections-(460-465)	-	WM			-	-	-	-	
	-	WF		-	-	-	-	-	
	-	BM			-	-	-	-	
	-	BF			-	-	-	-	
	-	ОМ			-	-	-	-	
	-	OF			-	-	-	-	
Bronchitis and	1.5	ALL	1	-		-	-	-	
Bronchiolitis-(466,490-491)	_	WM				-	-	-	
		WF				_	_	_	
		BM			_	_	-	-	
		BF	1	_		_	_	_	
	-	OM				_	_	_	
		OF					_	_	
Pneumonia and influenza-	13.5		9	1		_	2	_	-
						_			'
(480-487)		WM WF	1		-	_	1	-	
	21.5		3		-	_	_	-	
	22.2		3	ļ	-	_	1	-	
							'	_	
	129.7	OF	1	-		_	-	_	
Decumenia (400-400)			ļ .	-	-	_	_	_	
Pneumonia-(480-486)		ALL	9		-	-	2	-	'
		WM	1		-	-	1	-	
		WF	1		-	-	-	-	
	21.5		3		-	-	-	-	,
	22.2		3			-	1	-	
	129.7		1	-	-	-	-	-	,
	-	OF		-	-	-	-	-	

Table IM8. Infant De	Jaur (Exclusi)	Louis	iana, 1998	Serecteu (Jauses,	Jex, rd(e, anu A	ige	
					Αg	ge at Dea	ath in Da	ys	
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364
Influenza-(487)	-	ALL	-	-	-	-	-	-	
	-	WM	-	-	-	-	-	-	
	-	WF	-	-	-	-	-	-	
	-	ВМ	-	-	-	-	-	-	
	-	BF		-	-	-	-	-	
	-	OM	-	-	-	-	-	-	
	-	OF	-	-	-	-	-	-	
Remainder of diseases of	10.5	ALL	7	-	-	-	-	1	(
Respiratory system-	15.5	WM	3	-	-	-	-	-	;
(470-478,492-519)	10.8	WF	2	-	-	-	-	-	2
	14.4	BM	2	-	-	-	-	1	
	-	BF		-	-	-	-	-	
	-	ОМ		-	-	-	-	-	
	-	OF		-	-	-	-	-	
Hernia of abdominal cavity	3.0	ALL	2	-	-	-	-	-	2
And intestinal obstruction	-	WM		-	-	-	-	-	
Without mention of hernia-	-	WF		-	-	-	-	-	
(550-553,560)	14.4	BM	2	-	-	-	-	-	2
•	-	BF		-	-	-	-	-	
	_	OM	-	-	-	_	-	-	
	_	OF		-	-	-	-	-	
Gastritis, duodenitis, and	1.5	ALL	1	-	1	_	_	_	
Noninfective enteritis and		WM	1	_	1	_	_	_	
Colitis-(535,555-558)	-	WF		-			-	_	
Janua (223,232 233)	_	BM		_	_	_	_	_	
	_	BF		_	_		_	_	
	_	OM	_		_		_	_	
	_	OF	_		_		_	_	
Remainder of diseases of	4.5	ALL	3		_		_	_	
Digestive system-		WM		1				_	`
(520-534,536-543,562-579)		WF					_	_	
(320-334,330-343,302-379)		BM	1	1			-	_	
	14.8		2		-	-	-	-	2
	14.0	ОМ		-	-		-	-	
	-			-	-	-	-	-	
Congenital anomalies-	181.2	OF	121	40	24	- 16	-	-	35
Congenital anomalies- (740-759)	196.3		38			16	4	2	10
(140-139)	156.3		29		9	5	1	1	
					6	4			1:
	172.2		24		2	3	2	-	1.
	222.4		30	10	7	4	1	-	8
	-	OM		-	-	-	-	-	
	-	OF		-	-	-	-	-	

rable into. Illiant be	Catif (Exclusiv	Louisi	Table IM8. Infant Death (Exclusive Of Stillbirths) by Selected Causes, Sex, Race, and Age Louisiana, 1998									
		Race Sex		Age at Death in Days								
Cause Of Death And ICD-9 List Number	Rate*		Total	Under 1	1-6	7-13	14-20	21-27	28-364			
Anencephalus and similar	12.0	ALL	8	5	1	-	-	-	2			
Anomalies-(740)	15.5	WM	3	2	-	-	-	-	-			
	21.6	WF	4	3	1	-	-	-				
	-	ВМ	-	-	-	-	-	-				
	7.4	BF	1	-	-	-	-	-				
	-	OM	-	-	-	-	-	-				
	-	OF	-	-	-	-	-	-				
Spina bifida-(741)	1.5	ALL	1	-	-	-	-	-				
	-	WM	-	-	-	-	-	-				
	5.4	WF	1	-	-	-	-	-				
	-	BM	-	-	-	-	-	-				
	-	BF	-	-	-	-	-	-				
	-	OM	-	-	-	-	-	-				
	-	OF	-	-	-	_	-	-				
Congenital hydrocephalus-	7.5	ALL	5	1	1	1	_	_	2			
(742.3)		WM	1		-	1	_	_	_			
(12.0)		WF	1		1		_	_				
	14.4		2		'	_		_				
	7.4		1				_	_				
	7.4	OM	'	'			_	_				
	_	OF	-	-			-	_				
Other congenite!	7.5	ALL	-	-	-	-	-	-	,			
Other congenital			5	2	1	-	-	-	4			
Anomalies of central		WM	-	-	-	-	-	-				
Nervous system and eye-	16.2		3		1	-	-	-				
(742.0-742.2,742.4-742.9,743)		BM	1		-	-	-	-				
	7.4	BF	1	-	-	-	-	-				
	-	ОМ	-	-	-	-	-	-				
	-	OF	-	-	-	-	-	-				
Congenital anomalies of	44.9	ALL	30	1	7	5	2	2	13			
Heart-(745-746)		WM	11	1	3	2	-	1	4			
	37.7		7	-	1	2	1	1	2			
	35.9		5	-	-	-	1	-	4			
	51.9	BF	7	-	3	1	-	-	:			
	-	OM	-	-	-	-	-	-				
	-	OF	-	-		-	-	-				
Other congenital	13.5		9	-	2	3	1	-	- :			
Anomalies of circulatory	20.7	WM	4	-	2	1	-	-	,			
System-(747)	5.4	WF	1	-	-	-	-	-	-			
	14.4	BM	2	-	-	1	-	-	,			
	14.8		2	-	-	1	1	-				
	-	ОМ	-	-	-	-	-	-				
	-	OF	-	-	-	-	-	-				
	1	l	1	i l				I	I			

Table IM8. Infant De	aui (Exclusi)	Louis	iruis) by 3 ana, 1998	Serecteu C	auses,	oex, rac	e, anu P	iye .		
		Race Sex	Total	Age at Death in Days						
Cause Of Death And ICD-9 List Number	Rate*			Under 1	1-6	7-13	14-20	21-27	28-364	
Congenital anomalies of	30.0	ALL	20	12	7	-	-	-	•	
Respiratory system-(748)	31.0	WM	6	4	2	-	-	-		
	26.9	WF	5	3	2	-	-	-		
	28.7		4	3	1	-	-	-		
	37.1	BF	5	2	2	-	-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Congenital anomalies of	3.0	ALL	2	1	-	1	-	-		
Digestive system-(749-751)	-	WM	-	-	-	-	-	-		
	-	WF	-	-	-	-	-	-		
	7.2	BM	1	-	-	1	-	-		
	7.4	BF	1	1	-	-	-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Congenital anomalies of	6.0	ALL	4	2	1	1	-	-		
Genitourinary system-		WM	1	-	1	_	-	-		
(752-753)		WF	-	-	-	-	_	_		
	14.4		2	2	_	-	_	-		
	7.4		1	_	_	1	_	_		
		OM	-	_	_		_	_		
		OF	_	_	_	_	_	_		
Congenital anomalies of	10.5		7	4	1		_	_	,	
Musculoskeletal system-	31.0		6		1				-	
		WF	0	3	'		_	_	•	
(754-756)	-	BM	-	-	-	-	-	-		
	7.4		-	-	-	-	-	-		
	7.4	BF	1	1	-	-	-	-		
	-	OM	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Down's syndrome-(758.0)		ALL	2	1	-	-	-	-		
		WM	-	-	-	-	-	-		
		WF	-	-	-	-	-	-		
		BM	1	-	-	-	-	-	•	
		BF	1	1	-	-	-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-		-	-	-		
Other chromosomal	18.0		12	2	3	4	1	-		
Anomalies-(758.1-758.9)		WM	1	-	-	1	-	-		
	10.8		2	1	-	1	-	-		
	28.7		4	-	1	1	1	-		
	37.1	BF	5	1	2	1	-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		

Table IM8. Infant De			iana, 1998							
				Age at Death in Days						
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364	
All other and unspecified	24.0	ALL	16	9	-	1	-	-		
Congenital anomalies-	25.8	WM	5	3	-	-	-	-		
(744, 757, 759)	26.9	WF	5	3	-	1	-	-		
	14.4	BM	2	-	-	-	-	-		
	29.7	BF	4	3	-	-	-	-		
	-	OM	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Certain conditions	435.8	ALL	291	198	48	20	6	8	10	
Originating in the perinatal	222.1	WM	43	22	10	5	2	2	2	
Period (760-779)	188.6	WF	35	21	7	3	1	-	,	
	861.0	BM	120	82	19	6	2	4	-	
	689.5	BF	93	68	12	6	1	2	4	
	-	OM	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Newborn affected by	7.5	ALL	5	3	1	1	-	-		
Maternal conditions which		WM	2		-	1	-	_		
May be unrelated to		WF	1		1	_	_	_		
Present pregnancy-(760)		BM	_	_	-	_	-	_		
resent pregnancy (700)	14.8		2	2	_	-	_	_		
	- 1.10	OM			_	_	_	_		
	_	OF	_	_	_	-	_	_		
Newborn affected by	37.4		25	24	1		_			
Maternal complications of		WM	2		1	_	_	_		
Pregnancy-(761)	21.6		4							
regnancy-(701)	57.4		8							
	81.6		11	11		_				
	01.0	OM		- ''						
		OF	-			_				
Naukara affastad bu			-	40	- 1					
Newborn affected by	24.0		16		1	-	-	-	,	
Complications of	25.8		5		1	-	-	-		
Placenta,cord,and	10.8		2		-	-	-	-	-	
Membranes-(762)	28.7		4		-	-	-	-		
	37.1		5	4	-	-	-	-		
	-	OM	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Newborn affected by other	-	ALL	-	-	-	-	-	-		
Complications of labor and	-	WM	-	-	-	-	-	-		
Delivery-(763)		WF	-	-	-	-	-	-		
		BM	-	-	-	-	-	-		
	-	BF	-	-	-	-	-	-		
	-	OM	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		

Table IM8. Infant De	eath (Exclusiv	e Of Stillb Louis	irths) by S iana, 1998	Selected (Causes,	Sex, Rac	e, and A	lge		
		Louis	1000	Age at Death in Days						
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364	
Slow fetal growth and	-	ALL	-	-	-	-	-	-	-	
Fetal malnutrition-(764)	-	WM	-	-	-	-	-	-	-	
	-	WF	-	-	-	-	-	-	-	
	-	BM	-	-	-	-	-	-	-	
	-	BF	-	-	-	-	-	-	-	
	-	ОМ	-	-	-	-	-	-	-	
	-	OF	-	-	-	-	-	-	-	
Disorders relating to	184.2	ALL	123	109	10	2	1	-	1	
Short gestation and	67.2	WM	13	10	3	1	-	-	_	
Unspecified low	86.2	WF	16	14	1	-	-	-	1	
Birthweight-(765)	373.1	BM	52	47	4	-	1	-	_	
	311.4	BF	42	38	2	2	-	-	_	
	-	ОМ	-	-	-	-	-	-	-	
	-	OF	-	-	-	-	-	-	-	
Disorders relating to long	-	ALL	-	-	-	-	-	-	_	
Gestation and high	-	WM	-	-	-	-	-	-	-	
Birthweight-(766)	-	WF	-	-	-	-	-	-	-	
	-	BM	-	-	-	-	-	-	-	
	-	BF	-	-	-	-	-	-	-	
	-	ОМ	-	-	-	-	-	-	-	
	-	OF	-	-	-	-	-	-	-	
Birth trauma-(767)	9.0	ALL	6	2	2	2	-	-	_	
,		WM	1	-	-	1	-	-	_	
	-	WF	-	-	-	-	-	-	_	
	21.5		3	2	1	-	-	-	_	
	14.8		2		1	1	-	-		
	-	OM	_	-	-	-	-	-		
	_	OF	_	_	_	_	-	-	_	
Intrauterine hypoxia and		ALL	6	1	2	1	_	_	2	
Birth asphyxia-(768)		WM	1	-	1	<u> </u>		_		
Birtir aspriyxia (700)		WF	<u>'</u>		<u>'</u>		_	_		
	28.7		4	1	1	1		_	1	
	7.4		1		<u>'</u>		_	_	1	
		OM	<u>'</u>					_	<u>'</u>	
	_	OF	 		-		-	_	_	
Fetal distress in liveborn	-	ALL	-	_	-			_	_	
Infant-(768.2-768.4)	_	WM	-					_	_	
mant (100.2-100.4)	_	WF	-	-	-		-	-	_	
	-	BM	-	-	-	-	-	_	_	
	_	BF	-	-	-	-	-	-	-	
	_		-	-	-	-	-	_	-	
		OM OF	-	-	-	-	-	-	_	
		UF	_	-	-	-	-	_	_	

Table IM8. Infant Death (Exclusive Of Stillbirths) by Selected Causes, Sex, Race, and Age Louisiana, 1998									
					Aç	ge at Dea	th in Da	ys	
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364
Birth asphyxia-(768.5-768.9)	9.0	ALL	6	1	2	1	-	-	2
		WM	1	-	1	-	-	-	-
	-	WF	-	-	-	-	-	-	-
	28.7		4	1	1	1	-	-	1
	7.4	BF	1	-	-	-	1	ı	1
	-	OM	-	-	-	-	-	ı	-
	-	OF	-	-	-	-	-	1	•
Respiratory distress	43.4		29	5	12	7	1	1	3
Syndrome-(769)		WM	2	1	-	-	1	-	-
	21.6		4	-	2	2	-	ı	•
	107.6		15	2	8	3	-	1	1
	59.3	BF	8	2	2	2	-	-	2
	-	OM	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Other respiratory	55.4	ALL	37	21	6	2	-	1	7
Conditions of newborn-(770)	25.8	WM	5	-	1	1	-	1	2
	21.6	WF	4	1	-	1	-	-	2
	136.3	BM	19	15	1	-	-	-	3
	66.7	BF	9	5	4	-	-	-	-
	-	OM	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Infections specific to the	24.0	ALL	16	1	6	3	-	6	
Perinatal period-(771)	15.5	WM	3	-	1	1	-	1	-
	16.2	WF	3	-	3	-	-	-	-
	43.1	BM	6	1	-	2	-	3	-
	29.7	BF	4	-	2	-	-	2	-
	-	ОМ	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Neonatal hemorrhage-(772)	10.5	ALL	7	2	4	1	-	-	-
	10.3	WM	2	1	1	-	-	-	-
	-	WF	-	-	-	-	-	-	-
	14.4	BM	2	-	2	-	-	-	-
	22.2	BF	3	1	1	1	-	-	-
	-	OM	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Hemolytic disease of	-	ALL	-	-	-	-	-	-	-
Newborn, due to	-	WM	-	-	-	-	-	-	-
Isoimmunization, and other	-	WF	-	-	-	-	-	-	-
Perinatal jaundice-(773-774)	-	BM	-	-	-	-	-	-	-
	-	BF	-	-	-	-	-	-	-
	-	ОМ	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
	i	i	1	1					

		Louis	iana, 1998							
				Age at Death in Days						
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364	
Syndrome of "infant of a	1.5	ALL	1	-	1	-	-	-		
Diabetic mother" and	-	WM	-	-	-	-	-	-		
Neonatal diabetes mellitus-	-	WF	-	-	-	-	-	-		
(775.0-775.1)	7.2	ВМ	1	-	1	-	-	-		
	-	BF	-	-	-	-	-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		
Hemorrhagic disease of	1.5	ALL	1	1	-	-	-	-		
Newborn-(776.0)	-	WM	-	-	-	-	-	-		
	-	WF	-	-	-	-	-	-		
	-	BM	-	-	-	-	-	-		
	7.4	BF	1	1	-	-	-	-		
	_	OM	_	-	-	-	-	-		
	_	OF	_	-	-	-	-	-		
All other and ill-defined	28.5		19	12	2	1	4	_		
Conditions originating in		WM	7		1	1	1	_		
The perinatal period-		WF	1		-	<u> </u>	1	_		
(775.2-775.9,776.1-779)	43.1		6		1	_	1	_		
(176.2 776.6,176.1 776)	37.1		5		-	_	1	_		
		OM	_	-	_			_		
		OF		_			_	_		
Symptoms, signs and ill-	101.8		68	1			_	2	6	
Defined conditions-(780-799)	87.8		17					1		
Defined conditions-(760-799)	32.3				-		-	'		
			6 22		-	-	-	-	20	
	157.9				-	-	-	1		
	155.7		21		-		-	1	2	
	129.7		1		-	-	-	-		
	149.7		1		-	-	-	-	,	
Sudden infant death	94.3		63		-	-	-	1	62	
Syndrome-(798.0)	82.7		16		-	-	-	1		
	32.3		6		-	-	-	-	(
	143.5		20		-	-	-	-	20	
	140.9		19	-	-	-	-	-	19	
	129.7		1	-	-	-	-	-	•	
	149.7		1		-	-	-	-	-	
Symptoms, signs and all		ALL	5	1	-	-	-	1	;	
Other ill-defined		WM	1	-	-	-	-	-		
Conditions- (780-797,798.1-799)		WF	-	-	-	-	-	-		
	14.4		2	1	-		-	1		
	14.8	BF	2				-	-		
	-	ОМ	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-		

Table IM8. Infant De	eatn (Exclusiv	e Ot Stillb Louis	irtns) by 3 iana, 1998	seiectea C	Jauses,	Sex, Rac	ce, and A	ige	
					A	ge at Dea	ath in Da	ys	
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364
Accidents and adverse	41.9	ALL	28	-	1	-	-	2	25
Effects-(E800-E949)	46.5	WM	9	-	-	-	-	1	8
	26.9	WF	5	-	1	-	-	1	3
	35.9	BM	5	-	-	-	-	-	5
	66.7	BF	9	-	-	-	-	-	9
	-	OM	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Inhalation and ingestion of	10.5	ALL	7	-	-	-	-	-	7
Food or other object	10.3	WM	2	-	-	-	-	-	2
Causing obstruction of	-	WF	-	-	-	-	-	-	-
Respiratory tract or	14.4	BM	2	-	-	-	-	-	2
Suffocation- (E911-E912)	22.2	BF	3	-	-	-	-	-	3
	-	OM	-	-	-	-	-	-	-
	-	OF	-	-	-	-	-	-	-
Accidental mechanical	15.0	ALL	10	_	_	_	_	2	8
Suffocation-(E913)		WM	3	_	_	_	-	1	2
(21.6		4	_	_	_	_	1	3
		BM	1	_	_	_	_	_	1
	14.8		2	_		_	_	_	2
	- 1.1.5	OM	_	_		_	_	_	
	_	OF	_		_	_	_	_	_
Other accidental causes	16.5	ALL	11	_	1	_	_	_	10
And adverse effects-		WM	4		<u>'</u>		_	_	10
(E800-E910,E914-E949)		WF	1		1	_	_	_	7
(1000-1910,1914-1949)	14.4		2	-	- 1	_	_	_	2
	29.7		4	-		_	_	_	
	29.7	ОМ	4	-	-	-	-	-	4
	-	OF	-	-	-	-	-	-	-
(5000 5000)	- 10.5		-	-	-	-	-	-	-
Homicide-(E960-E969)	10.5		7	1	-	-	-	-	6
		WM	-	-	-	-	-	-	-
		WF	-	-	-	-	-	-	-
		BM	1	1	-	-	-	-	-
	44.5		6	-	-	-	-	-	6
	-	ОМ	-	-		-	-	-	-
	-	OF	-	-	-	-	-	-	-
Child battering and other		ALL	3	-	-	-	-	-	3
Maltreatment-(E967)	-	WM	-	-	-	-	-	-	-
	-	WF	-	-	-	-	-	-	-
		BM	-	-	-	-	-	-	-
	22.2		3	-	-	-	-	-	3
		ОМ	-			-	-	-	
	-	OF	-	-	-	-	-	-	-

Table IM8. Infant De	ath (Exclusiv		irths) by S iana, 1998		Causes,	Sex, Rac	e, and A	ge			
				Age at Death in Days							
Cause Of Death And ICD-9 List Number	Rate*	Race Sex	Total	Under 1	1-6	7-13	14-20	21-27	28-364		
Other homicide-	6.0	ALL	4	1	-	-	-	-	3		
(E960-E966,E968-E969)	-	WM	-	-	-	-	-	-	-		
	-	WF	-	-	-	-	-	-	-		
	7.2	BM	1	1	-	-	-	-	-		
	22.2	BF	3		-	-	-	-	3		
	-	ОМ	-	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-	-		
All other causes-(residual)	53.9	ALL	36	-	8	4	1	2	21		
	51.7	WM	10	-	4	1	-	2	3		
	43.1	WF	8	-	2	-	1	-	5		
	78.9	BM	11	-	2	1	-	-	8		
	51.9	BF	7	-	-	2	-	-	5		
	-	OM	-	-	-	-	-	-	-		
	-	OF	-	-	-	-	-	-	-		

^{*} Rate per 100,000 live births